

Title (en)

INTRODUCING SAMPLES INTO SUPERCRITICAL FLUID CHROMATOGRAPHY SYSTEMS

Title (de)

EINFÜHRUNG VON PROBEN IN SUPERKRITISCHE FLÜSSIGKEITSCHROMATOGRAPHIESYSTEME

Title (fr)

INTRODUCTION D'ÉCHANTILLONS DANS UN SYSTÈME DE CHROMATOGRAPHIE EN PHASE FLUIDE SUPERCRITIQUE

Publication

**EP 2823280 B1 20230426 (EN)**

Application

**EP 13757550 A 20130305**

Priority

- US 201261608135 P 20120308
- US 2013029048 W 20130305

Abstract (en)

[origin: WO2013134222A1] A supercritical fluid chromatography system is provided with an injection valve subsystem for introducing a sample into a flow of mobile phase fluid. The injection valve subsystem includes an auxiliary valve and an inject valve. The operations of the auxiliary and inject valves are coordinated in such a manner as to reduce sample carry-over and system pressure perturbations occurring during sample injection.

IPC 8 full level

**G01N 30/16** (2006.01); **B01D 15/14** (2006.01); **B01D 15/40** (2006.01); **G01N 1/00** (2006.01); **F16K 11/00** (2006.01); **G01N 30/20** (2006.01); **G01N 30/28** (2006.01)

CPC (source: EP US)

**B01D 15/14** (2013.01 - EP US); **B01D 15/40** (2013.01 - EP US); **G01N 30/16** (2013.01 - EP US); **G01N 30/20** (2013.01 - EP US); **G01N 30/28** (2013.01 - EP US); **G01N 2030/201** (2013.01 - EP US); **G01N 2030/202** (2013.01 - EP US); **G01N 2030/207** (2013.01 - EP US)

Citation (examination)

- JP S6227660 A 19870205 - JAPAN SPECTROSCOPIC CO
- JP 2006058146 A 20060302 - DAICEL CHEM

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DOCDB simple family (publication)

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**US 2013029048 W 20130305**; EP 13757550 A 20130305; JP 2014561021 A 20130305; US 201314383239 A 20130305